SECTION 15

ACRONYMS

AU	astronomical unit; the scaling factor *AU* is the number of kilometers per astronomical unit ≈149,600,000
AZ	azimuth
BC	barycentric
BVE	Block 5 exciter
BVR	Block 5 receiver
BWG	beam wave guide
COI	center of integration
CRESID	correction to the computed observable due to media corrections, calculated in the Regres editor and written on the Regres file
CSP	command statement processor (commands)
DEC	declination
DSN	Deep Space Network
DSS	Deep Space Station
EF	Earth-fixed components of a vector
EL	elevation
EOP	Earth Orientation Parameter (file)
EPHCOR	ephemeris correction program
ET	ephemeris time; this means coordinate time, the time coordinate of general relativity
GC	geocentric
GIN	general input program of the Orbit Determination Program set; the GIN file written by program GIN
GPS	Global Positioning System; also, GPS master time
HA	hour angle
HAMS	hour angle of the (fictitious) mean Sun
HEF	high efficiency (antenna)
HRTW	Huang, Ries, Tapley, and Watkins (1990)
IERS	International Earth Rotation Service
INS	narrowband spacecraft interferometry
IWS	wideband spacecraft interferometry
JD	Julian date
JPL	Jet Propulsion Laboratory

LLR	Lunar Laser Ranging
LTCRIT	light-time solution criterion
MDA	Metric Data Assembly
NOLT	(maximum) number of light-time (solution iterations)
NSP	Network Simplification Program
ODE	Orbit Data Editor
ODP	Orbit Determination Program
PCB	participant central body
PEF	planetary ephemeris frame
PERB	input array that determines which acceleration terms due to each body in the array are calculated
PN	pseudonoise
PPN	Parameterized Post–Newtonian (*n*-body point-mass metric tensor)
PRA	Planetary Ranging Assembly
PV	program of the Orbit Determination Program set that generates the spacecraft trajectory and the corresponding partial derivatives with respect to the estimable parameters
P,V, and A	position, velocity, and acceleration (vectors)
RAMS	right ascension of (fictitious) mean Sun
RANG	Next-Generation Ranging Assembly
Regres	program of the Orbit Determination Program set that calculates the computed values of the observables and the corresponding partial derivatives with respect to the estimable parameters
RESID	the observed minus computed residual written on the Regres file
RF	radio frame
RSS	root-sum-square
SF	space-fixed components of a vector
SI	International System of Units
SRA	Sequential Ranging Assembly
ST	station time
STOIC	file containing the TP (timing and polar motion) array
TAI	International Atomic Time
TDB	Barycentric Dynamical Time
TDT	Terrestrial Dynamical Time (also called Terrestrial Time)
TOPEX	(Ocean) Topography Experiment (Satellite)
TP	timing and polar (motion array)
TPX	TOPEX Master Time

UT	Universal Time
UT1	observed Universal Time
UTC	Coordinated Universal Time
VLBI	very long baseline interferometry
XBNAM	names of extra bodies (input array)
XBNUM	numbers of extra bodies (input array)
XBPERB	same as PERB array for extra bodies (asteroids and comets)